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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,806	12/16/2003	Kazunari Sesumi	740165-368	2857

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EXAMINER

PRETLOW, DEMETRIUS R

ART UNIT PAPER NUMBER

2863

DATE MAILED: 06/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/735,806	Applicant(s) SESUMI, KAZUNARI	
	Examiner Demetrius R. Pretlow	Art Unit 2863	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 December 2003.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 6-10 is/are allowed.
6) ☒ Claim(s) 1 and 5 is/are rejected.
7) ☒ Claim(s) 3 and 4 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 16 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/16/03</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claim 6 is objected to because of the following informalities: The examiner can not ascertain as to whether access time is extended twice. It appears that wait signal designates extension of an access time and then the external bus controller extends the access time again. No art has been applied to this claim. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,5 are rejected under 35 U.S.C. 102(b) as being anticipated by Hayashi et al. (US 2002/0019898). Given the broadest interpretation, in reference to claim 1, Hayashi et al. teach a group of external terminal s to which a plurality of external devices can be connected; Note Figures 1, the connection to the high speed and low speed devices. Hayashi et al. teach a processor carrying out computation and control on the basis of programs; Note paragraph 11, lines 3-6. Hayashi et al. teach a bus interface specifying an external device which is to be an object of access from among the plurality of external devices on the basis of a control signal outputted from the processor, and outputting access time data instructing an access time to said external device and a

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request signal requesting access to said external device; Note paragraph 15, lines 4-16.

Hayashi et al. does not explicitly teach a request signal requesting access to said external device however a request signal would be inherent to the device select signal. Note paragraph 15, line 9-10. Hayashi et al. teach a register storing the access time data outputted from the bus interface; The operating clock signals are interpreted as access time data. Note paragraph 6, lines 1-3. Hayashi et al. teach an input terminal to which is inputted, from an exterior, a wait signal which designates extension of the access time to said external device; Note paragraph 67, lines 15-17. Hayashi et al. teach an external bus controller which, in accordance with the access time data stored in the register and the request signal outputted from the bus interface, accesses said external device via the group of external terminals, and extends the access time to said external device in accordance with the wait signal inputted the input terminal. Note paragraph 39, lines 8-18. The wait signal inherently extends the access time. Note paragraph 67, lines 15-17.

In reference to claim 5, Hayashi et al. teach wherein the external bus controller extends the access time by extending a time in which a selection signal, which instructs that said external device be selected, is outputted to said external device. Note paragraph 15, lines 9-16.

Claim Objections

Claims 2-4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 2-3 would be allowed because of the of the limitations of an the external bus controller extends the access time to said external device in units of the access time which the access time data instructs. It is these limitations found in each of the claims, as they are **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Claim 4 would be allowed because of the of the limitations of wherein the external bus controller extends the access time by extending a time in which an address of said external device is outputted to said external device. It is these limitations found in each of the claims, as they are **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Allowable Subject Matter

Claims 7-10 are allowed.

The primary reason for the allowance of claims 7-10 is the inclusion of the limitations of an access control register setting an access extension time with respect to said external device; an wherein the system LSI comprises a re-map signal generating section which, on the basis of a control signal outputted from the processor, generates a re-map signal, and the control signal specifies said external device when the re-map

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signal is supplied to the bus interface. It is these limitations found in each of the claims, as they are **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Demetrius R. Pretlow whose telephone number is (571) 272-2278. The examiner can normally be reached on Mon.-Fri. 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Demetrius R. Pretlow

Demetrius Pretlow 6/9/05

Patent Examiner

Michael Nghiem
MICHAEL NGHIEM
PRIMARY EXAMINER